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Attorney Docket No. 14445-504 NATL

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Chalifour, et al.

SERIAL NUMBER: Not Yet Assigned

EXAMINER: Not Yet Assigned

FILING DATE: November 5, 2001

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FOR: STEROSELECTIVE ANTIFIBRILLOGENIC PEPTIDES AND PEPTIDOMIMETICS
THEREOFNovember 5, 2001
Boston, MassachusettsCommissioner for Patents
Washington, D.C. 20231

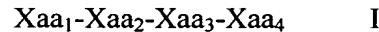
PRELIMINARY AMENDMENT

Please amend this application as follows:

In the Claims:

Please cancel claims 23-28, 30, 31, and 33 without prejudice or disclaimer and add new claims 37 and 38. Please amend the claims as follows:

1. (amended once) An antifibrillogenic agent for inhibiting amyloidosis and/or for cytoprotection, which comprises a peptide of Formula I, an isomer thereof, a retro or a retro-inverso isomer thereof or a peptidomimetic thereof:



wherein,

Xaa₁ is selected from the group consisting of Lys and Xaa₅-Lys-;Xaa₅ is selected from the group consisting of Lys, His-Gln-, His-His-Gln-, Val-His-His-Gln-, Glu-Val-His-His-Gln-, Asp-Asp-Asp-, and Gln-;Xaa₂ is any amino acid;Xaa₃ is Val;Xaa₄ is selected from the group consisting of Phe, Phe-NH₂, Phe-Phe, Phe-Phe-Ala, Phe-Phe-Ala-NH₂, Phe-Phe-Ala-Gln, and Phe-Phe-Ala-Gln-NH₂;

wherein said peptide has at least one [D] amino acid residue,

with the proviso that Lys-Lys-Leu-Val-Phe-Phe-Ala is an all-[D] peptide.